

## **U.S. EPA CERCLA SECTION 104(e) INFORMATION REQUEST QUESTIONS and RESPONSES**

Site: Lower Duwamish Waterway Superfund Site (LDW), Seattle WA

DERP-FUDS Site Number F10WA025500, Boeing Seattle Plant No. 12, Seattle, WA

### **1. Respondent Information**

#### **a. Provide the full legal name and mailing address of the Respondent.**

Colonel Anthony Wright  
District Commander, USACE Seattle District  
P.O. Box 3755  
Seattle, WA 98124

#### **b. For each person answering these questions on behalf of Respondent, provide:**

- i. full name;**
- ii. title;**
- iii. business address; and**
- iv. business telephone number and FAX machine number.**

The information requested for each of the persons responsible for answering these questions is provided under separate cover for personal privacy purposes.

#### **c. If Respondent wishes to designate an individual for all future correspondence concerning this matter, please indicate here by providing that individual's name, address, telephone number and fax number.**

Colonel Anthony Wright  
District Commander, USACE Seattle District  
P.O. Box 3755  
Seattle, WA 98124  
Tel: 206-764-3690  
Fax: 206-764-6544

#### **d. State the dates during which the Department of Defense (DOD) held any property interests at or within one-half mile of the FUDS.**

The dates during which DOD held property interests for this site is as shown on the spreadsheet included on the CD provided with this response. To the extent available, documents showing when the site was acquired and disposed of are hyperlinked to the spreadsheet.

**e. State the dates during which DOD conducted any activities at or within one-half mile of the FUDS.**

Between 1942 and 1969, DOD may have conducted activities at or within one-half mile of the FUDS. The following DOD components had jurisdiction over the FUDS: the Seattle Quartermaster Corps (1942-1947); and the Department of the Air Force (1957-1969/72).

See the following documents available on the CD provided with this response:

- Memorandum, dated March 12, 1962, from HQ, Department of the Army, to Division Engineer, USACE, North Pacific, re: final audit of land records re: Air Force Plant No. 75.
- Tract Register, dated January 26, 1961, re: Office of the Chief of Engineers acquisition and transfer of real estate involving Boeing Seattle Plant No. 12.
- Transfer of Construction, dated January 11, 1961, USACE, Seattle District, re: Former Army Storage Site, 4500 E.
- Memorandum, dated October 28, 1960, from Secretary of the Army to Secretary of the Air Force, re: transfer of Seattle Transportation Corp Storage Site.
- Findings of Fact, undated, DERP-FUDS Findings of Determination and Eligibility, re: Boeing Seattle Plant No. 12.
- Index, undated, DERA, INPR, re: Boeing Seattle Plant No. 12.
- Disposition Form, November 5, 1986, re: Boeing Plant No. 12, review data.
- Real Estate Report, undated, USACE Seattle District, DERA, re: Boeing Seattle Plant No. 12.

**f. Describe the nature of DOD's activities at the FUDS or within one-half mile of the FUDS.**

DOD's activities at or within one-half mile of the FUDS includes the following:

Between 1942 and 1944, negotiations and condemnations were made to consolidate property needed for construction of 3 warehouses to be used for storage of all general supplies and materials under the responsibility of the Seattle General Depot for the Army Quarter Masters Corps. Activities associated with the Army Quarter Masters Corps continued until 1947.

Between 1957 and 1969, the FUDS was used to store materials and supplies used in missile research, development, and production associated with Boeing Seattle Plan No. 12 and later, Air Force Plant 75.

Boeing Seattle Plant No. 12 is synonymous with Boeing Plant Storage Site, Seattle Quarter Masters Depot, Seattle Transportation Corps Storage Site, and Seattle General Depot.

See the following documents available on the CD provided with this response:

- Memorandum, dated June 12, 1957, from Chief of Engineers to Chief of Staff, USAF, re: warehouse 3, 4, and 5, Seattle Transportation Corps Area.
- Permit, dated December 28, 1956, to US Dept of Health, Education, and Welfare from Dept of the Army, re: Seattle Transportation Corps Storage Site Warehouse No. 4.
- Memorandum, dated October 28, 1960, from Secretary of the Army to Secretary of the Air Force, re: transfer of Seattle Transportation Corp Storage Site.
- Findings of Fact, undated, DERP-FUDS Findings of Determination and Eligibility, re: Boeing Seattle Plant No. 12.
- Real Estate Report, undated, USACE Seattle District, DERA, re: Boeing Seattle Plant No. 12.
- Property Information, FDE End Date January 17, 1990, FUDS, re: Boeing Seattle Plant No. 12.
- Index, undated, DERA, INPR, re: Boeing Seattle Plant No. 12.
- Disposition Form, November 5, 1986, re: Boeing Plant No. 12, review data.

- g. In relation to your answer to the previous question, identify all materials used or created by DOD's activities at the FUDS, including raw materials, commercial products, building debris, and other wastes.**

In relation to our answer to 1.f., above, all known materials used or created by DOD's activities at the FUDS consists of: all general supplies and materials associated with the Seattle General Depot for the Army Quarter Masters Corps; and materials and supplies used in missile research development and production associated with Boeing Plant No 12 and later, Air Force Plant 75. Specific materials and building debris known to be associated with the property include: lumber storage sheds (6592 ft squared), guard houses (41 ft squared, 44 ft squared, and 44 ft squared), wooden warehouses (No. 3 (1560' by 180'), No.4 (960' by 180'), and No. 5 (840' by 180')), offices, oil storage shed, paint storage shed, inflammable materials storage buildings (12,406 ft squared, and 2196 ft squared), gas station (gas tank (6700 gal), pumps), underground storage tanks (800 gal, and 2000 gal), fences (8431 ft squared), railroads (2.32 mi), pipelines, open storage (concrete (25,162 yd squared), asphalt (1750 yd squared), gravel (9769 yd squared)), 53 poles, 34 floodlights, 25 street lights, 17 transformers, storm sewer (9695 ft), sanitary sewer (8525 ft), water distribution (10,811 ft), roads (concrete (2895 yd squared), asphalt (4739 yd squared), gravel (15,522 yd squared)), parking (SP (1491 yd squared), and gravel (1474 yd squared)).

See the following documents available on the CD provided with this response:

- Transfer of Construction, dated January 11, 1961, USACE, Seattle District, re: Former Army Storage Site, 4500 E.



- Memorandum, dated October 28, 1960, from Secretary of the Army to Secretary of the Air Force, re: transfer of Seattle Transportation Corp Storage Site.
- *See also:* referenced documents in our response to 1.f., above.

**2. Site Activities and Interests**

- a. Provide all documents in your possession or accessible to you regarding the ownership of the FUDS before, during and after DOD control, including, but not limited to, copies of deeds, sales contracts, leases, blueprints, “as-builts” and photographs.**

Any documents showing ownership or other real estate interests by DOD for the FUDS are hyperlinked to the spreadsheet included on the CD provided with this response.

- b. Provide all documents in your possession or accessible to you regarding environmental conditions at the FUDS before, during and after the relevant time period (see Definitions). “Environmental conditions” includes information relating to soil, sediment, water (ground and surface), and air quality. This may include, but not be limited to:**

- i. Any spill, leak, release or discharge of a hazardous substance, waste, or material at or near the FUDS;**

There is no documentation in the possession and control of the DOD regarding any spill, leak, release or discharge of a hazardous substance, waste, or material at or near the FUDS.

- ii. Occurrences of violations, citations, deficiencies, and/or accidents concerning the FUDS;**

There is no documentation in the possession and control of the DOD indicating occurrences of violations, citations, deficiencies, and /or accidents concerning the FUDS.

- iii. Remediation or removal of contaminated soils, sediments, or other media at the FUDS; and**

There is no documentation in the possession and control of the DOD indicating the remediation or removal of contaminated soils, sediments, or other media at the FUDS.

- iv. Investigations, inspections, sampling, and any associated reports regarding the FUDS and surrounding area.**

Documentation in the possession and control of the DOD regarding investigations, inspections, sampling and any associated reports regarding the FUDS and surrounding area is limited to a site visit made on April 17, 1986 by Robert S. Andersen (R.S. Andersen/Land Use Planning), Anton M. Fackelmann (Tetra Tech, Inc.), and Ken Crooker (Warehouse Manager, Port of Seattle). Features of the site were observed and a description of the site and area was detailed in a Defense Environmental Restoration Account (DERA) Project Description for the FUDS, dated August 1, 1986.

See the following document available on the CD provided with this response:

- Index, undated, DERA, INPR, re: Boeing Seattle Plant No. 12.

- c. **Provide information on the condition of the FUDS when purchased or at the beginning of the relevant time period; describe the source, volume, and content of any fill material used during the construction of the buildings, including waterside structures such as seawalls, wharves, docks or marine ways. Additionally, describe any subsequent improvements, alteration, demolitions or additions to the physical structures or the property itself.**

Limited information is available on the condition of the FUDS when purchased or at the beginning of the relevant time period. As previously noted in this response, in 1957, most of the site was out-granted to the Department of the Air Force for use as storage of materials and supplies associated with missile research, development, and production. In 1960, accountability for the entire facility was transferred to the Air Force. In 1961, Air Force Logistics Command reassigned the entire site to Air Force Plant No. 75. The FUDS lies within the former Duwamish River Flood plain, which over a period of many decades has been filled and subjected to intense industrial development. However, there is no documentation regarding any fill material removed or used during these activities.

Additionally, limited information is available regarding the extent of subsequent improvements, alterations, demolitions or additions to the physical structures or the property of the FUDS itself. In 1972, the parcels containing warehouse structures were determined to be surplus and were subsequently acquired by the Port of Seattle. The parcel adjacent to warehouse # 3 and E. Marginal Way was retained by GSA for use by USACE Seattle District for parking. In 1979, the Port of Seattle demolished warehouse # 4 and adjacent structures, and graded the site for storage of containerized cargo. Following the 1986 site visit described above, the Port began demolition of warehouse # 5 and adjacent structures.

See the following document available on the CD provided with this response:

- Index, undated, DERA, INPR, re: Boeing Seattle Plant No. 12.



- See also: referenced documents in our response to 1.f., above.

- d. Provide a brief summary of the activities conducted at the FUDS while under DOD's ownership or operation. Include any diagrams or charts of the activities conducted.**

During the Army Quartermaster Corps' tenure, from 1942-1947, the FUDS was used for storage of all general supplies and materials under responsibility of the Seattle General Depot. From 1957 to 1961, the FUDS was used by the Air Force to store materials and supplies used in missile research, development and production associated with Boeing Plant No. 12 (to include storage in connection with the B-52 and Bomarc programs). The Seattle Plant No. 12 was a recognized installation until July 18, 1960. In an Air Force Logistics Command Special Orders No. G-34, dated April 14, 1961, the entire Boeing Seattle Plant No. 12 area was reassigned to Air Force Plant No. 75, which is the subject of a separate FUDS, No. F10WA023900.

See referenced documents in our response to 1.e., and 1.f., above.

- e. Provide all documents pertaining to sale, transfer, delivery, or disposal, of any hazardous substances, scrap materials, and/or recyclable materials at or to the FUDS.**

There is no documentation in the possession and control of the DOD pertaining to sale, transfer, delivery, or disposal, of any hazardous substances, scrap materials, and/or recyclable materials at or near to the FUDS.

- f. Provide all information on electrical equipment used at the FUDS, including transformers or other electrical equipment that may have contained polychlorinated biphenyls (PCBs).**

Documentation regarding electrical equipment used at the FUDS provides limited information pertaining to 17 transformers that may have contained polychlorinated biphenyls (PCBs). The extent of electrical system information, including but not limited to, transformers is as follows: ADT alarm system, electric power transformers (one of 5 KVA and sixteen of 7640 KVA's), electric distribution lines (14,655 ft), 25 street lights, and 34 flood lights.

See the following documents available on the CD provided with this response:

- Permit, dated September 20, 1957, to Air Force from Department of the Army, re: Seattle Transportation Corps Storage Site.
- Transfer of Construction, dated January 11, 1961, USACE, Seattle District, re: Former Army Storage Site, 4500 E.

- Memorandum, dated October 28, 1960, from Secretary of the Army to Secretary of the Air Force, re: transfer of Seattle Transportation Corp Storage Site.

**g. Provide information on the type(s) of oils or fluids used for lubrication of machinery or other industrial purposes, and any other chemicals or products which are or may contain hazardous substances which are or were used at the FUDS for facility operations.**

There is no documentation in the possession and control of the DOD on the type(s) of oils or fluids used for lubrication of machinery or other industrial purposes at the FUDS for facility operations. There is limited documentation regarding the presence of any other chemicals or products used that may have contained hazardous substances at the FUDS for facility operations including or relating to the following items: a gasoline station (144 ft squared), two underground fuel tanks (one 800 gal, and one 2000 gal), gasoline tank (6700 gal), heating fuel oil stg, oil storage shed, items associated with two inflammable storage buildings (flammables), a paint storage shed, and 17 transformers (which may have been possible sources of PCBs).

See the following documents available on the CD provided with this response:

- Transfer of Construction, dated January 11, 1961, USACE, Seattle District, re: Former Army Storage Site, 4500 E.
- Memorandum, dated October 28, 1960, from Secretary of the Army to Secretary of the Air Force, re: transfer of Seattle Transportation Corp Storage Site.
- Land Management Map, revised July 14, 1960, re: Seattle Transportation Corps Storage Site.

**h. Provide any site drainage descriptions, plans or maps that include information about storm drainage which includes, but is not limited to, above or below surface piping, ditches, catch basins, manholes, and treatment/detention or related structures including outfalls. If available, also include information about connections to sanitary sewer.**

There is limited documentation in the possession and control of the DOD regarding site drainage descriptions, storm drainage, or sanitary sewer connections at the FUDS. Available information includes a map depicting the location of sewer line permit no. D5298, dated January 30, 1953, and an inventory of "feature" materials present on the site including: sanitary sewer piping (8525 ft), storm sewer piping (9695 ft), manhole outfalls, catch basins, water distribution lines (10,811 ft), and water mains.

See the following documents available on the CD provided with this response:

- Transfer of Construction, dated January 11, 1961, USACE, Seattle District, re: Former Army Storage Site, 4500 E.



- Memorandum, dated October 28, 1960, from Secretary of the Army to Secretary of the Air Force, re: transfer of Seattle Transportation Corp Storage Site.

- i. **With respect to past site activities, please provide copies of any stormwater or drainage studies, including data from sampling, conducted at the FUDS. Also provide copies of any Stormwater Pollution Prevention or Maintenance Plans or Spill Plans that may have been developed for operations or activities at the FUDS.**

There is no documentation in the possession and control of the DOD to indicate that any past site activities involved the conduction of any stormwater or drainage studies, or any data collection from sampling, at the FUDS. There also is no available documentation indicating the existence of any Stormwater Pollution Prevention or Maintenance Plans or Spill Plans that may have been developed for operations or activities at the FUDS.

3. **Information About Others**

- a. **Describe any business relationship DOD may have had regarding the FUDS, or operations thereon, with others.**

Presumably Boeing was under Government contract to conduct missile research, production, and/or development at the FUDS beginning around September 1957, and terminating around the time of the site reassignment in 1961. Any such contract(s), or details of such contract(s), however, are not in the possession and control of the DOD.

- b. **Provide the names and last known address of any tenants or lessees, the dates of their tenancy and a brief description of the activities they conducted while operation on the FUDS.**

Names and addresses, if disclosed by the documents in the possession and control of DOD, of any tenants or lessees of the site, and the dates of their tenancy and activities conducted are as shown in the Outgrant columns of the spreadsheet for the FUDS that has been included on the CD provided with this Response.

- c. **If not already provided, identify and provide a last known address or phone number for all persons, including current and former employees or agents, other than attorneys, who have knowledge or information about the generation, use, purchase, storage, disposal, placement, or other handling of hazardous materials at, or transportation of hazardous materials to or from, the FUDS.**



DOD is not aware of any persons, including current and former employees or agents, whom have knowledge or information about the generation, use, purchase, storage, disposal, placement, or other handling of hazardous materials at, or transportation of hazardous material to or from, the FUDS. Furthermore, records discovered in this search did not identify the names, or addresses, of any such persons.

**4. Compliance with This Request**

**a. Describe all sources reviewed or consulted in responding to this request, including, but not limited to:**

- i. name and current job title of all individuals consulted;**
- ii. location(s) where all documents reviewed are currently kept.**

The sources reviewed or consulted in responding to this request include the following:

USACE Northwestern Division (Omaha, NE):

- DERP-FUDS Program Files;

USACE Kansas City District:

- DERP-FUDS Program Files

USACE Northwestern Division (Portland, OR) (formerly, North Pacific Division):

- DERP-FUDS Program Files

USACE Seattle District:

- Real Estate Division;
- Environmental Management Branch;
- Navigation Branch

Federal Records Center  
Iron Mountain  
19826 Russell Road  
Kent, WA 98032

Jonathan A. Maas  
Senior Environmental Employment Program (SEE) in PRP Search  
MS ECL-111, Site Clean Up Unit 3  
U.S. EPA, Region 10  
1200 Sixth Ave, Suite 900  
Seattle, WA 98101

## **INDEX of DOCUMENTS REFERENCED in RESPONSE**

### **U.S. EPA CERCLA SECTION 104(e) INFORMATION REQUEST QUESTIONS and RESPONSES**

Site: Lower Duwamish Waterway Superfund Site (LDW), Seattle WA

DERP-FUDS Site Number F10WA025500, Boeing Seattle Plant No. 12, Seattle, WA

#### **In order of appearance in Response:**

Memorandum, dated March 12, 1962, from HQ, Department of the Army, to Division Engineer, USACE, North Pacific, regarding final audit of land records regarding Air Force Plant No. 75.

Tract Register, dated January 26, 1961, regarding Office of the Chief of Engineers acquisition and transfer of real estate involving Boeing Seattle Plant No. 12.

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